

## ===== WPI =====

- TI - Electrical insulating compsn. with high heat resistance and mechanical strength - obtd. by mixing compsns. contg. tetra:fluoro:ethylene]-propylene@] copolymer and ethylene@] copolymer with fluoro:rubber polymer contg. vinylidene] fluoride
- AB - J06009844 An electrical insulating compsn. prepd. by mixing 100 pts. wt. of a compsn. contg. 80-98 wt. % of a tetrafluoroethylene (TFE)-propylene copolymer with a number average mol. wt. (mn) of more than 100,000 and 2-20 wt. % of an ethylene polymer with less than 50 pts. wt. of a fluororubber copolymer contg. vinylidene fluoride.
- The TFE-propylene copolymer is e.g. Aflas 150C (RTM Mn are of approx. 100,000). The ethylene polymer is e.g. Evaclex EEA A-704 (RTM: ethylene-ethyl acrylate copolymer). The fluororubber copolymer contg. vinylidene fluoride is e.g. Daiel C-902 (RTM: vinylidene fluoride-TFE-hexafluoropropylene copolymer).
- ADVANTAGE - The compsn. is extrusion-mouldable, can be coloured to a light colour, and has heat resistance, mechanical strength, and electrical insulator.
- In an example, a resin compsn. comprising 90 pts. wt. of Aflas 150C, 10 pts. wt. of Evaclex EEA A-704, 20 pts. wt. of Daiel C-902, 20 pts. wt. of talc, and 1 pt. wt. of rutile-type TiO<sub>2</sub> was kneaded at 80 deg.C for 5 mins. mixed with 7 pts. wt. of crosslinking agents, kneaded for 2 mins. and pressed to give a sheeted compsn. with a Mooney viscosity of 41 ML4. The compsn. had an initial tensile strength of 1.16 kg/mm<sup>2</sup>, an insulation resistivity of 670 ml.km, a dielectric strength standing up to 5000 V/o and a whiteness degree of N9 (JIS colour table). (Dwg.0/0)
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- PA - (NISS-N) NISSEI DENKI KK
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- DC - A14 A17 A85 X12
- IC - C08L27/18 ;H01B3/44
- AN - 94-054027 [07]

## ===== PAJ =====

- TI - ELECTRICALLY INSULATING COMPOSITION
- AB - PURPOSE:To provide an electrically insulating composition enabling a light-color formulation and having excellent heat-resistance, mechanical properties and electrical insulation.
- CONSTITUTION:The electrically insulating composition is produced by compounding (A) 100 pts.wt. of a composition containing a tetrafluoroethylene- propylene copolymer having a number-average molecular weight of <=100,000 and an ethylenic polymer at a weight ratio of 98:2 to 80:20 with (B) 50 pts.wt. of a fluororubber copolymer containing vinylidene fluoride.
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